

## Patent Abstracts of Japan

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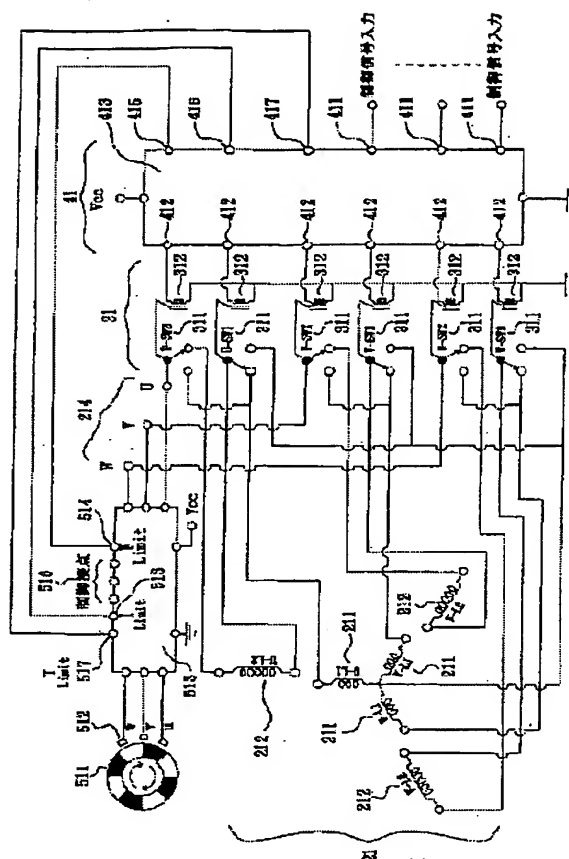
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TITLE : STATOR APPARATUS HAVING  
ADVANCED FUNCTIONS



ABSTRACT : PROBLEM TO BE SOLVED: To adequately change a torque coefficient  $K_T$  depending on needs of operation of a motor in order to change backward electromotive force coefficient  $K_E$  of a power generator depending on needs of an power generation output voltage in the rotating speed of operation.

SOLUTION: This stator apparatus comprises a plurality of stator coils wherein a stator coil device of the wound condition is provided within a stator line vessel, coils are arranged in the same stator so that these coils are overlapped or provided adjacently, and the leading part and ending part of the stator coil 21 are coupled to the output of a switch 31; a plurality of switches 31 wherein control contacts 311 of a plurality of switches are respectively coupled with the leading part and ending part of the stator coils; and a control means 413, at the internal area for execution of system management to previously set changing mode of the switch. Therefore, a coil coupling network is formed or a desired stator coil is selected freely by connecting in direct the stator coils at the same stator in various connection profiles after the switching of the switches.

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